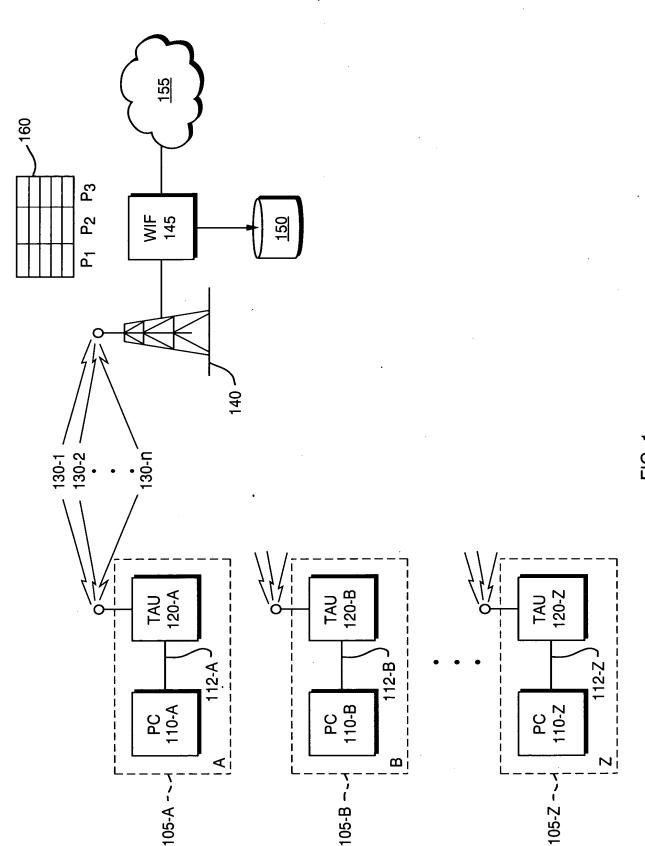
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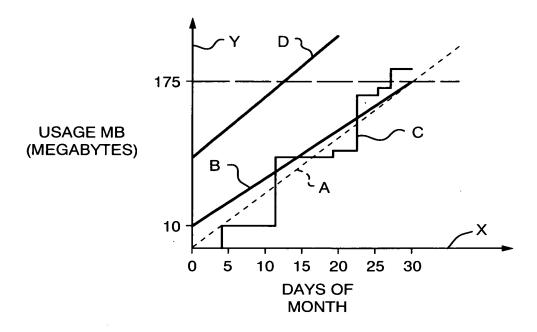


FIG. 2

PRIORITY LEVEL	MAX. TIME FOR CONTINUOUS TRANSFER					
1	600 SECONDS					
2	120 SECONDS					
3	30 SECONDS					

FIG. 3

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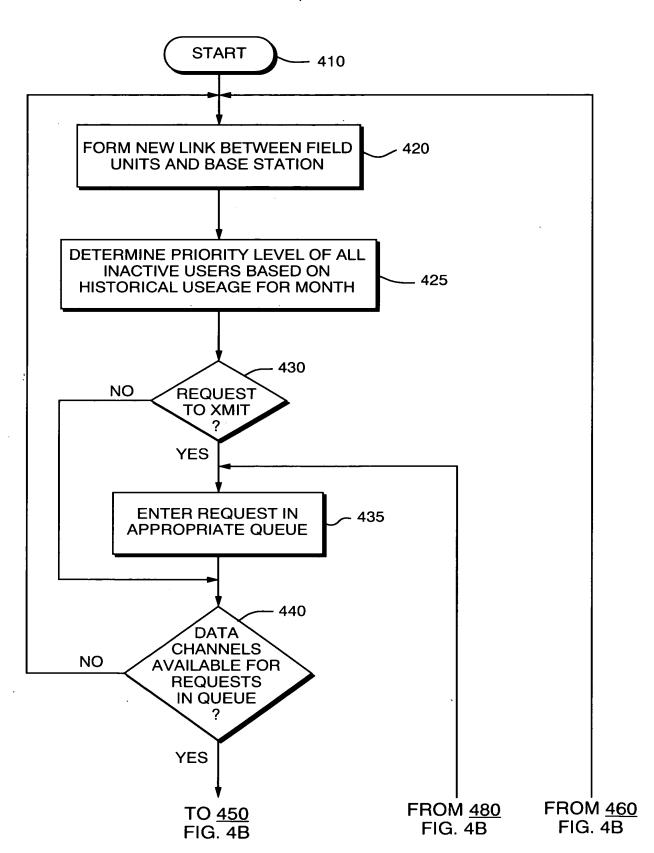


FIG. 4A

Carlo Amalfitano 4/11 FROM <u>440</u> TO <u>420</u> TO <u>435</u> FIG. 4A FIG. 4A FIG. 4A **ALLOCATE CHANNELS TO** REQUESTORS BASED ON 450 REQUEST TIME AND PRIORITY STATUS 455 XMIT DATA ON ALLOCATED CHANNELS 460 **DATA** YES **XMIT COMPLETE** NO 465 CHECK WHETHER TIME FOR ALLOCATED TRAFFIC CHANNELS HAS BEEN EXCEEDED FOR CONTINUOUS XMIT BASED ON PRIORITY, (SEE TABLE) - 470 **SET PRIORITY TO** MAX 480 -NO NEXT LOWER LEVEL. TIME EXCEEDED **ENTER REQUEST FOR** FOR CONTINUOUS **DATA TRANSFER DATA TRANSFER** IN QUEUE YES 475 DISCONTINUE DATA TRANSFER FOR EXCESSIVE UNIT

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FIG. 4B

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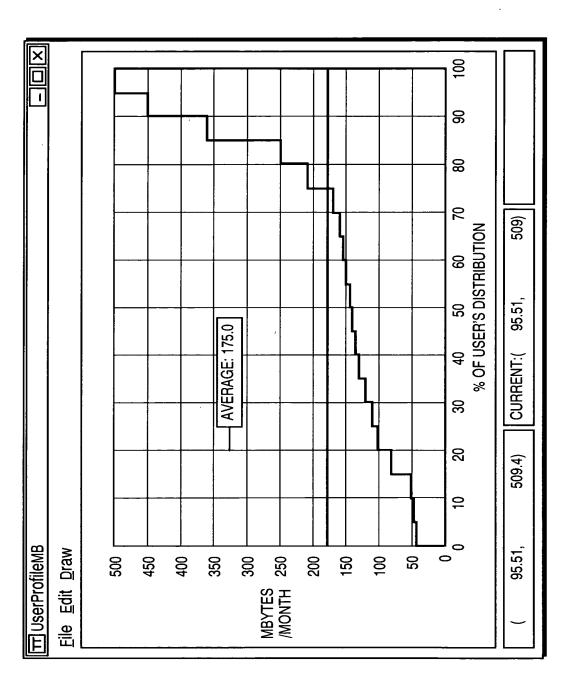


FIG. 5

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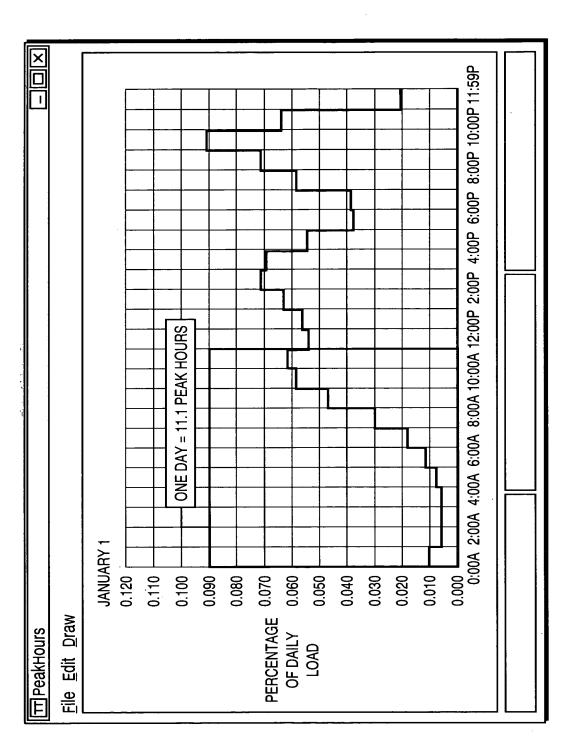
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Theor. Resp. time for unit (sec)	90:0	0.11	0.29	12.50	1.25	1.56	104.17	N/A	83.33	N/N	N/A
Accept. speed (kbps-rev)	14	4	28	128	58	58	56	128	384	58	384
Accept. speed (kbps-fwd)	14	14	58	128	128	256	384	256	384	64	384
Mo. vol. (Mbytes during peak load time)	0.01	0.04	0.20	10.0	0.9	40.0	20.0	12.0	32.0	0.96	172.8
Unit size in Kbytes	0.1	0.2	-	500	20	20	2000	3000	4000	480	2880
Est.units/mo (during peak load time, given an acceptable speed)	100	200	200	20	300	800	4	4	æ	200	90
Unit of Work	Message	Message	Letter	Letter	Page	Page	Program	Lesson	Song	Minute of listening	Minute of session
Application	Short Messages	WAP and short e-mail	e-mail	e-mail with attachments (Send&Receive)	Web Browsing (articles, text information, etc.)	Web Browsing (e-bay, news, searching products, etc.)	Web Downloads (programs, Applications)	Distant Learning	MP3 downloads and learning	Internet radio	Video conferencing

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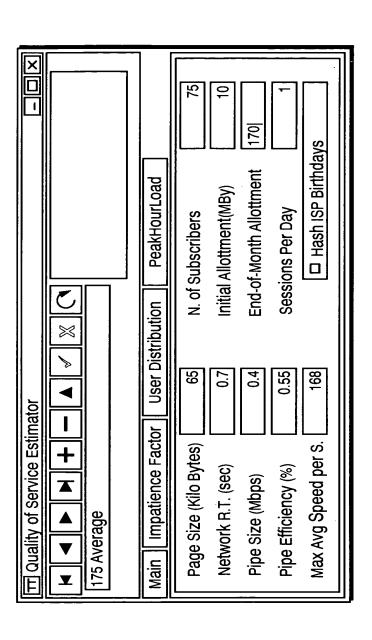
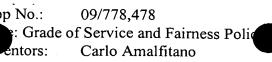


FIG. 8



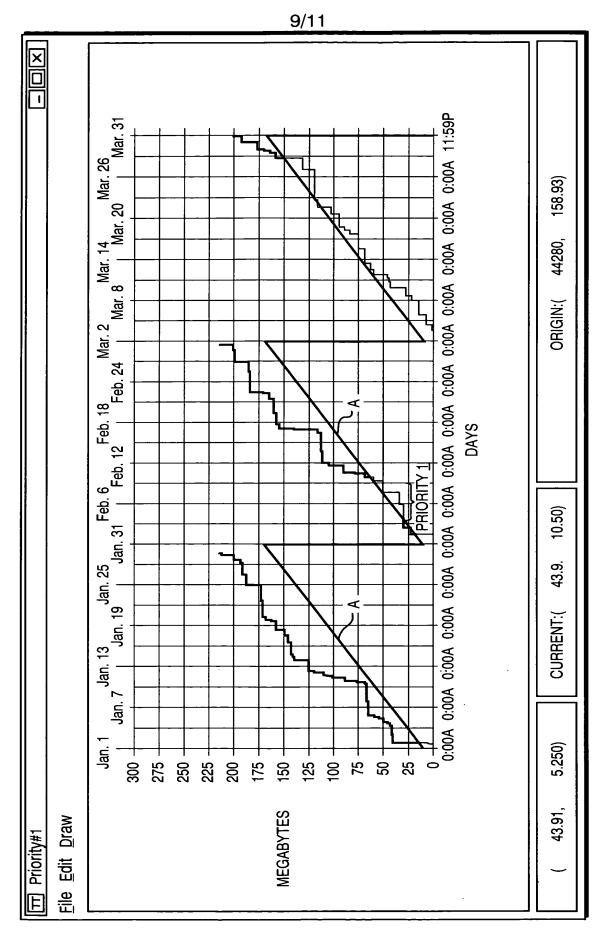


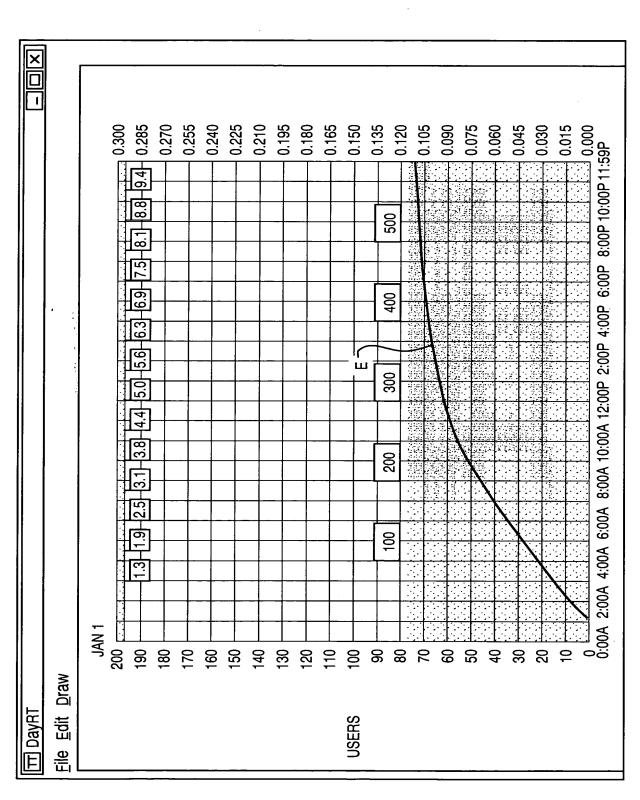
FIG. 9

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